

Key Instant Recall Facts

By the end of this half term, children should know the following facts. The aim is for them to recall these facts instantly.

- **I can multiply a whole number and a decimal number by 10, 100 & 1000.**

Key Vocabulary:

Decimal
Place value
Digit
Multiply
Placeholder (zero used to show an empty place value column)

Stem sentences to use:

When I multiply by 10, the digits move ____ place to the left.

When I multiply by 100 or 1,000, the digits move ____ places to the left.

The decimal point stays in the same place because _____.

Suggested activities:

Here are six simple activities parents can do with their Year 5 child to practise multiplying whole numbers and decimals by 10, 100 and 1,000.

Place Value Slider

- Write numbers on paper and use a finger to slide each digit left when multiplying by 10, 100 or 1,000.

Card Sort

- Match calculations to answers (e.g. $4.5 \times 100 = 450$).

Quick-Fire Challenge

- Ask 10 questions such as 7×100 , 3.6×10 and $0.42 \times 1,000$. Try to beat the previous score.

Spot the Mistake

- Write incorrect answers for your child to correct.
- Example: $6.8 \times 100 = 68 \times$

Real-Life Maths

- Use money and measurements:
 - $\pounds 2.50 \times 10$
 - $1.2 \text{ m} \times 100$
 - $0.8 \text{ L} \times 1,000$

Roll, Multiply and Explain

- Roll a die to make a number, then choose $\times 10$, $\times 100$ or $\times 1,000$.
- Explain how the digits move and why the decimal point stays in the same place.

Top tip: Don't think of the decimal point moving—it stays in the same place. The digits move left when multiplying by 10, 100 or 1,000.

Place Value Grid

Hundreds	Tens	Ones	Tenths $\frac{1}{10}$	Hundredths $\frac{1}{100}$	Thousandths $\frac{1}{1000}$